ICS Compatible Site Safety and Health Plan 4 September 2017 Hurricane Harvey ESF-10 Response

Incident Commander, USCG

Table of Forms

FORM NAME	FORM #	USE	REQUIRED	OPTIONAL	ATTACHED?
Emergency Safety and Response	A	Emergency response phase (uncontrolled)	X		Y
Plan					
Site Safety Plan	В	Post-emergency phase (stabilized, cleanup)	X		Y
Site Map	C	Post-emergency phase map of site and hazards	X		Y
Emergency Response Plan	D	Part of Form B, to address emergencies	X		Y
Air Monitoring Log	E	To log air monitoring data	X*		N
Personal Protective Equipment	F	To document PPE equipment and procedures	X*		Y
Decontamination	G	To document decon equipment and procedures	X*		Y
Site Safety Enforcement Log	Н	To use in enforcing safety on site		X	Y
Worker Acknowledgement Form	I	To document workers receiving briefings		X	Y
Form A Compliance Checklist	J	To assist in ensuring HAZWOPER compliance		X	N
Form B Compliance Checklist	K	To assist in ensuring HAZWOPER compliance		X	N
Drum Compliance Checklist	L	To assist in ensuring HAZWOPER compliance		X	N
Other:					
SSP-Attach 1: Hydrocarbon/Benzene		SSP-Attach 7: Helicopter Safety		SSP-Attach 13: Floo	dwater Health Risks
SSP-Attach 2: Hydrogen Sulfide		SSP-Attach 8: Small Boat Safety		SSP-Attach 14: Behavioral Health	
SSP-Attach 3: Toxic Exposure		SSP-Attach 9: Vehicle Operations			
SSP-Attach 4: Heat Stress		SSP-Attach 10: Insects Hazards			
SSP-Attach 5: Venomous Snakes		SSP-Attach 11: Animal Hazards			
SSP-Attach 6: Safety Briefings		SSP-Attach 12: Maintaining Water Quality			

^{*} Required only if function or equipment is used during a response

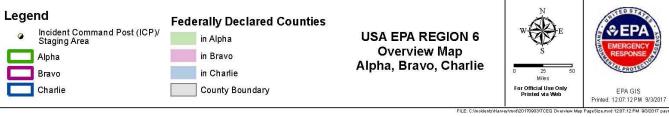
EMERGENCY SAFETY and	1. Incider Hurricane	nt Name e Harvey ESI	F-10 Respon	ise	2. Date/Tir 4Sep2017	1			Operational F 00-1900	Period	4. Attachments: Attach SDS for each Chemical				ıl
5. Organization IC: CDR Tedd Hutley	Safety: M	Ir. E Primeau	ı (609-351-7	7148)	Entry Tear	n: N/A		Bac	ckup Team: 1	N/A	Decon Te	am: N/A			
CDR redd Hutley	Group Su	ipv: N/A													
6. Physical Hazards and Protection		Space N	oise Hea e Excava		Cold Stres			nimal/Plar] Fatigue				ng Rad Sents in stand	Slips/Trips/Fall ling water	Str	uck by
Major Tasks	Entry Permit	Ventilate	Hearing Protection*	Shoes (type)	Hard Hats	Clothing* (Chem)	Life Jacket*	Work/ Rest (hrs)	Fluids (amt/time)	Signs and Barricade		5 GAS**	Flash Protect	Work Gloves	Other
Oil Discharge Assessment Team	NA	Natural	As needed	Safety Shoes		NA	PFD as needed	14/10	1 cup /15-20 min	NA	NA	Yes	NA	Yes	
Oil/Vessel Discharge Recovery Team	NA	Natural	As needed	Safety Shoes	Yes	As needed	PFD as needed	14/10	1 cup /15-20 min	NA	NA	Yes	NA	Yes	
Air Operations Team	NA	Natural	Ear Plugs	Safety Shoes	Yes	NA	PFD over water	14/10	1 cup /15-20 min	NA	NA	NA	NA	Yes	
Hazard Evaluations Team	NA	Natural	As needed	Safety Shoes	Yes	NA	PFD as needed	14/10	1 cup /15-20 min	NA	NA	Yes	NA	Yes	
7. Chemicals		Haza		•		Target Org			Exposure Ro	outes		PE	Туре	of PPE	
Hazardous Materials/Waste	Fla	Explosive ammable Reactive comedical Toxic	Radioac Carcino Oxio Corro Specify Combusti	ogen lizer osive Other:	Heart 🔲 L	ervous Syst y Throa Liver	em Lungs idney Circulatory	Ab Ing Inje	alation sorption gestion ection mbrane		In Spl Leve SCBA	E Shield Eyes Gloves ener Suit ash Suit A Suit SAR SAR curridges	Safety Glasses of Chemical Prote Tyvek (if neede	ctive Glove	
8. Instruments O2 CGI Radiation Total HCs Colorimetric Thermal Other	10% I 1 mren	.5% LEL n/hr	emical Name	e: LE		or Thresh Ppm	Ceiling/ IDLH	TLV	Flash Polymer (F or	n Pt		Sistance Vapor Density	Specific Gravit	y Boilin For (ng Point C
	1 - 7												T7	001	D 4

Form SSP-A:

10. Site Map. Include: Work	Zones, Locations of Hazards, Se	curity Perimeter, Places of R	efuge, Decontamination	Line, Evacuation Rou	utes, Assembly Poir	t, Direction of North
See IAP for current Site Map						
Additional Safety Instruction	s:					
Tailgate safety briefs and Op	erational Risk Assessment (GAR)	or Hazard Risk Analysis sha	ll be conducted by DGS	prior to the operation	ıs.	
Respond in teams, ie. Use the	buddy system.					
Responder duty time shall no limitations, and/or temperature	t exceed 14 hrs (including driving extremes.	time) providing 10 hours res	st within a 24 hr period.	Provide rest breaks th	nroughout a work sh	ift to address fatigue, PPE
*PPE needs to be worn based	on the work location within the I	Branch and the operations bei	ng performed.			
**5 Gas Meter recommended unknowns and half the TLV	due to the potential of oil/water roor known chemicals.	mixture being pumped into st	orm sewers, household h	nazardous materials, e	tc. The action level	for VOCs is 5 ppm for
11. <u>Decontamination</u> : Instrument Drop C Outer Boots/Glove Remov Suit/Gloves/Boot Dispos	off Decon Agent:	Water Outer Other Inner	ottle Exchange Suit Removal Suit Removal Mask Removal	SCBA/Mask Rinse Intervening Steps Specif Inner Glove Removal Wash any exposed skin with soal and water when in contact with hazardous waste product		
12. Potential Emergencies	Evacuation Alarms:	Emergency Prevention and				
Fire Explosion Other Injuries	Horn # Blasts Bells #Rings Radio Code Other:	emergency vehicles. Safe Distance: 500 feet or u	unless directed otherwise	e.		
13. Communications: Radio?	Phone? Command #:		Planning #:		Operations #:	
14. <u>Site Security</u> Personnel Assigned None					Equipment: None	
15. Emergency Medical Personnel Assigned					Equipment: None	
None 16. Prepared By: E Primeau	17. <u>Date/Time Updated</u> : 4 Sep 2	2017				Form SSP-A: Page 2 of 2

CG ICS SITE SAFETY PLAN (SSP) HAZARD ID/EVAL/CONTROL	1. Incident Name Hurricane Harvey ESF-10 Response	2. Date/Time Prepared 31Aug2017	3. Operational Period 0700-1900	4. Safety Officer (include method of contact Mr. E Primeau (609-351-7148)
5. Supervisor/Leader	6. Location and Size of Site Branch A, B, C	7. Site Accessibility Land Water Air Comments:	8. For Emergencies Contact: 911	9. Attachments: Attach SDS for each Chemical
10. Job Task/Activity	Hazards*	Potential Injury and Health Effects	Exposure Routes	Controls: Engineering, Administrative, PPE
Oil Discharge Assessment Teams	Weather, slips, trips, falls, heat stress, fatigue, motor vehicle, debris, sharp objects (glass, nails, syringes), contact with potential fuel and oil contaminated water, asbestos from damaged insulation, unstable structures	Short-term injury such as sprains and strains, contact dermatitis, lacerations and puncture wounds. Major accidents such as vehicular accidents may cause long-term damage requiring hospitalization. Heat exhaustion to heat stroke.	Inhalation Absorption Ingestion Injection Membrane	Conduct Operational Risk Management prior to operations. Utilize proper PPE for your site operations including: PFD's, steel toe shoes, work gloves, hard hats, earplugs, and safety glasses. Utilize rain gear when required, ensure proper footing, and drink plenty of fluids and eat a balanced diet, and ensure rest periods throughout the work shift, use seat belts while in motor vehicles. Use 5 gas meters when needed
Oil/Vessel Discharge Recovery Teams	Weather, slips, trips, falls, heat stress, fatigue, motor vehicle, debris, sharp objects (glass, nails, syringes), contact with potential fuel and oil contaminated water, asbestos from damaged insulation, unstable structures	Short-term injury such as sprains and strains, contact dermatitis, lacerations and puncture wounds. Major accidents such as vehicular accidents may cause long-term damage requiring hospitalization. Heat exhaustion to heat stroke	Inhalation Absorption Ingestion Injection Membrane	Conduct Operational Risk Management prior to operations. Utilize proper PPE for your site operations including: PFD's, steel toe shoes, work gloves, hard hats, earplugs, safety glasses and coveralls. Utilize rain gear when required, ensure proper footing, and drink plenty of fluids to maintain hydration and eat a balanced diet, and ensure rest periods throughout the work shift, use seat belts while in motor vehicles. Use 5 gas meters when needed.
Air Operations Team	Weather, slips, trips, falls, heat stress, fatigue, motor vehicle, hazardous noise	Short-term injury such as sprains and strains, Lacerations and puncture wounds. Major accidents such as vehicular accidents may cause long-term damage requiring hospitalization. Heat exhaustion to heat stroke. Hearing loss.	Inhalation	Conduct Operational Risk Management prior to operations. Utilize proper PPE for your site operations including: PFD's, steel toe shoes, work gloves, earplugs, safety glasses and coveralls. Utilize rain gear when required, ensure proper footing, and drink plenty of fluids to maintain hydration and eat a balanced diet, and ensure rest periods throughout the work shift, use seat belts while in motor vehicles. Safety brief from aircrew.
Hazard Evaluations Team	Weather, slips, trips, falls, heat stress, fatigue, motor vehicle, debris, contact with potential hazardous material being contained or mitigated.	Short-term injury such as sprains and strains, contact dermatitis, lacerations and puncture wounds. Major accidents such a vehicular accidents may cause long-term damage requiring hospitalization Heat stroke and acute exposure to toxics.	Inhalation Absorption Ingestion Injection Membrane	Conduct Operational Risk Management prior to operations. Utilize proper PPE for the chemical or unknown chemical. Ensure proper footing, and drink plenty of fluids to maintain hydration and eat a balanced diet, and ensure rest periods throughout the work shift, use seat belts while in motor vehicles. Use entry monitoring instruments. Stay upwind of the unknowns. Use PFD on or near water.
11. Prepared By: E Primeau	12. Date/Time Updated: 4 Sep 2017	*HAZARD LIST: Physical/Safety Ionizing Radiation, Biological, Bio Ergonomic, Noise, Cancer, Dermat	omedical, Electrical, Heat	Stress, Cold Stress, Dage 1 of 1

1. Incident Name Hurricane Harvey ESF-10 Response	2. Date/Time Prepared 4 Sep 2017	3. Operational Period 0700-1900	4. Safety Officer (include method of contact) Mr. E Primeau (609-351-7148)		
6. Location and Size of Site Branch A, B, C	7. Site Accessibility Land Water Air Comments:	8. For Emergencies Contact: 911	9. Include: - Work Zones - Security Perimeter - Decontamination Line	Locations of HazardsPlaces of RefugeEvacuation Routes	
Round Rock Austin	Charlie Bravo	Alexandra Lake Charles			
	Hurricane Harvey ESF-10 Response 6. Location and Size of Site Branch A, B, C	Hurricane Harvey ESF-10 Response 6. Location and Size of Site Branch A, B, C 7. Site Accessibility Land Water Air Comments: Charlie Bravo ICP. Coat Guard Seed: H	Hurricane Harvey ESF-10 Response 6. Location and Size of Site Branch A, B, C 7. Site Accessibility Land Water Air Comments: 8. For Emergencies Contact: 911 Charlie Rock Austin Rock A	Hurricane Harvey ESF-10 Response 6. Location and Size of Site Branch A, B, C 7. Site Accessibility Land Water Air Comments: 9. Include: - Work Zones - Security Perimeter - Decontamination Line Charlie Bravo Holtona Response 6. Location and Size of Site Branch A, B, C Response 7. Site Accessibility Land Water Air Comments: 9. Include: - Work Zones - Security Perimeter - Decontamination Line	



ESF-10 ICP: Corpus Christi

11. Prepared By:	12. Date/Time Updated:	HAZARD LIST: Phy
E Primeau	4 Sep 2017	Deficiency, Ionizing I
		Heat Stress, Cold Stre

HAZARD LIST: Physical/Safety, Toxic, Explosion/Fire, Oxygen Deficiency, Ionizing Radiation, Biological, Biomedical, Electrical, Heat Stress, Cold Stress, Ergonomic, Noise, Cancer, Dermatitis, Drowning, Fatigue, Vehicle, Diving

Form SSP-C: Page 1 of 1

CG ICS SSP: EMERGENCY RESPONSE PLAN	1. Incident Hurricane H Response	Name Harvey ESF-10	2. Date/Time Prepare 31Aug2017			4. Safety Office E. Primeau (347	r (include method of contact) -515-6431)
5. Supervisor/Leader	6. Location Branch A, I	and Size of Site B, C	7. For Emergencies Contact 911		8. Attachments:		INCLUDE ICS FORM 206
9. Emergency Alarm (sound and location)	10. Backup location)	Alarm (sound and	11. Emergency Hand	d Signals	12. Emergency Personal	Protective Equip	ment Required:
Facility Alarm	immediatel	sts = exit area y ted blast = shelter in	None		None		
13. Emergency Notification Pro	ocedures	14. Places of Refuge		15. Eme Steps	rgency Decon and Evacua	ation 16. Si	te Security Measures
Call 911 to Fire and EMS respondence the emergency is stabilize contact the Situation Unit (617). Safety will contact your unit Minitiate notification in the event involving a Coast Guard individual Safety will contact the response supervisor in the event of a mist the online mishap reporting. For civilian injuries /illnesses Scontact the individual's organize Human Resources Office.	ed then -308-0413) Iedical to t of a injury dual. ible shap to start Safety will zations	Each branch will dete safe refuge for their lo on their emergency even Safe distance should be attainable.	pecation and indicated vacuation plan. The second feet if	facilities			troleum Facility Security
17. Prepared By: E Primeau	18. Date/Ti 4Sep2017	me Updated:	Deficiency, Ionizing	Radiation	fety, Toxic, Explosion/Fire a, Biological, Biomedical,	Electrical, Heat	Form SSP-D:
			Stress, Cold Stress, I Fatigue, Vehicle, Di		Page 1 of 1		

CG ICS SSP: AIR MONITORING LOG	1. Incident Name Hurricane Harvey ESF-10 Response	2. Date/Time Prepared: 31Aug2017	3. Operational Period 0700-1900	4. Safety Officer (E. Primeau (609-3	(include method of contact) 351-7148)	
5. Site Location	6. Hazards of Concern Hazardous Materials/Waste	7. Action Levels (ir VOC 5 ppm (50 pp for 60 min).	m EPA AEGL 1 for benzene	8. Weather: Temperature: 0 Wind: 0 Relative Humidity Cloud Cover: 0 %	y: 0 % 6	
9. Instrument, ID Number Calibrated? Indicate below.	Monitoring Person Name(s)	Results (units)	Location	Time	Interferences and Comments	
10 S C + O C B		D. 4. 6 111 14 FG	f to Darie /L			
10. Safety Officer Review: E Primeau		Nervous System Ef	fects: Bruise/Lacerations, Organ fects, Cancer, Reproductive Da earing Loss, Dermatitis, Respira	mage, Low Back	Form SSP-E: Page X of X	

CG ICS SSP: PERSONAL PROTECTIVE EQUIPMENT	Response	Harvey ESF-10	2. Date 4Sep2			3. Operational Period 0700-1900	Mr. E Pri	y Officer (include method of contact) Primeau (347-515-6431)	
5. Supervisor/Leader	6. Location Branch A,				nergencie	ergencies Contact:			
9. Equipment:								10	. References Consulted:
Safety Glasses	Steel Toe S	Shoes	Hard I	Hats		Work Gloves		CI	M 5000.3B
Ear Plugs	Nitrile Glo	ves	Covera	alls		Personal Floatation	n device	CI	M 10470.10F
Sun Screen	Insect Rep	ellant						NS	SF SOP
Inspect gloves, PFDs, hard hats and after use. Inspect for defects of the equip Rips Tears Worn surfaces Punctures Scratches Soiling Exposed skin should be protect contact with fuel and oil Follow manufacturer's instruct chemical protective suits	ment	Ear Plugs – worn when to hazardous noise. Yo noise when you have to speak to someone need to speak to	n you are in or raise yo when we that could be in the friects ar in the crushing when you atter or co protect field who water (5 enough)	hazardous our voice u. orking d splash field to field to objects. ou need to oil (ie. t hands. en you are oft). Any to fall into	Remove co you do not contaminate Wash all econtaminate See decont guidance of decontaminate	g Procedures: contaminated clothing contaminate yourse te other articles. xposed skin after yourse ted articles. camination plan for gon an expedient nation setup. C clothing requires removal.	u remove	Ear Plu around distance reduce Safety deluge coming Hard Hand bu Steel T sharp of the short PFD — secured Nitrile chemic	only effective when they are d. Gloves – will not protect from all cals. Gloves – will not protect from ely sharp objects, chemicals, or hat
15. Prepared By: E Primeau	16. Date/T 4Sep2017	l ime Updated:	Nervo Pain,	us System E	ffects, Canco Hearing Loss	e/Lacerations, Organ er, Reproductive Dan , Dermatitis, Respira	mage, Low B	Back	Form SSP-F: Page 1 of 1

CG ICS SSP: DECONTAMINATION	Hurrican Respons		2. Date/Time Prepared 31Aug2017	3. Operational Period 0700-1900	Mr. E Primeau (3	*
5. Supervisor/Leader	Branch	on and Size of Site A, B, C	7. For Emergencies Contact: 911	8. Hazard(s) A Hazardous W		
9. Equipment:					10). References Consulted:
 Contamination Avoidance P Wear all proper PPE Replace damaged PPE Proper decontamination Minimize the spread of contamination Replace sorbent pads periodically and/or who 	n f		•	re	ditrile glove moval	 Decon Steps Roll down protective suit Dispose of suit Remove protective booties Remove outer protective gloves Dispose of outer gloves Remove safety glasses Decontaminate glasses Remove inner gloves Dispose of inner gloves Wash hands and face
			Tool Drop			
			Entry (Exclusion Zone)			
14. Prepared By: E Primeau	15. Date 4Sep201	/Time Updated: 7	Potential Health Effects: Brui Nervous System Effects, Can Pain, Temporary Hearing Los Breaks, Eye Burning	cer, Reproductive Da	mage, Low Back	Form SSP-G: Page 1 of 1

CG ICS SSP: ENFORCEMENT LOG	1. Incident Name Hurricane Harvey ESF-10 Response	2. Date/Time Prepared 31Aug2017	3. Operational Period 0700-0700	4. Safety Officer (include method of contact) Mr. E Primeau (609-351-7148)			
5. Supervisor/Leader	6. For Emergencies Contact: 911	'		7. Attachments:			
8. Job Task/Activity	Hazards	Deficiency	Action Taken	Safety Plan Amended?	Signature of Supervisor/Leader		
9. Prepared By: E Primeau	10. Date/Time Briefed:	Deficiency, Ionizing Radiat	HAZARD LIST: Physical/Safety, Toxic, Explosion/Fire, Oxygen Deficiency, Ionizing Radiation, Biological, Biomedical, Electrical, Heat Stress, Cold Stress, Ergonomic, Noise, Cancer, Dermatitis, Drowning, Fatigue, Vehicle, Diving				

CG ICS SSP WORKER ACKNOWLEDGEMENT FORM	1. Incident Name Hurricane Harvey ESF-10 Response	2. Site Location: Branch A, B, C (Circle One)	3. Attachments:	
4. Type of Briefing	5. Pi	esented By:	6. Date	7. Time
Safety Plan/Emergency Response Plan Start Shift Pre-Entry Exit End of Shift Specify Other:				
8. Worker Name (Print)	Si	gnature*	Date	Time
* By signing this document, I am stating t	hat I have read and fully un	derstand the plan and/or inform	ation SSP-I: V	Vorker Acknowledgement
provided to me.				Page of